

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) An isolated polynucleotide comprising a nucleic acid sequence encoding the amino acid sequence of SEQ ID NO:2, said polynucleotide encoding a geraniol synthase (GES), said GES being capable of converting geranyl diphosphate to geraniol.

2–9. (Cancelled)

10. (Previously Presented) An expression vector comprising the polynucleotide according to claim 1.

11. (Original) A host cell comprising the expression vector according to claim 10.

12. (Original) A method for producing recombinant GES, the method comprising:

- a. culturing the host cell according to claim 11 under conditions suitable for the expression of GES; and
- b. recovering GES from the host cell culture.

13. (Original) A method for producing geraniol, the method comprising:

- a. culturing the host cell according to claim 11 under conditions suitable for the expression and activity of the GES; and
- b. recovering geraniol from the host cell culture.

14. (Original) A method for producing geraniol metabolites in the terpene biosynthesis pathway, the method comprising:

- a. culturing the host cell according to claim 11 under conditions suitable for the expression and activity of the GES; and
- b. recovering geraniol metabolites from the host cell culture.

15. (Previously Presented) The method according to claim 14, wherein the geraniol metabolites are geranial and neral.

16. (Previously Presented) A prokaryotic organism comprising a polynucleotide sequence according to claim 1 stably integrated into its genome.

17–18. (Cancelled)